

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-647 REV. A  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D119-647 REV. 0  
REF. FAA STC: SR00949SE  
REF. AUSTRIAN STC: ACG.21NE.012  
REF. ITALIAN STC: N-CS-022

The D119-647-021 Wearplate kit can be installed on D119-647-011 Bearpaw installations. The D3861-041 Wearplates should be installed on the D3034-1 Bearpaws as shown in Figure 1 on Sheet 2 of this Service Instruction. The Bearpaws should otherwise be installed on the skidtube per installation instructions IIN-D119-647 Rev A.

Customers with old style bearpaws will need to rework the counterbore on the bottom of the bearpaws per Figure 1 of Sheet 2 of this service instruction.

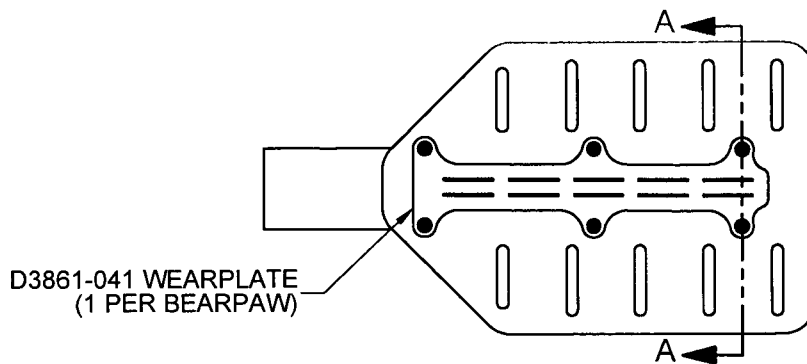
## WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D119-647-021 Wearplate Kit	3.46 lb 1.57 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	173.2 in 4.40 m	599.3 in-lb 6.91 m-kg

## PARTS LIST

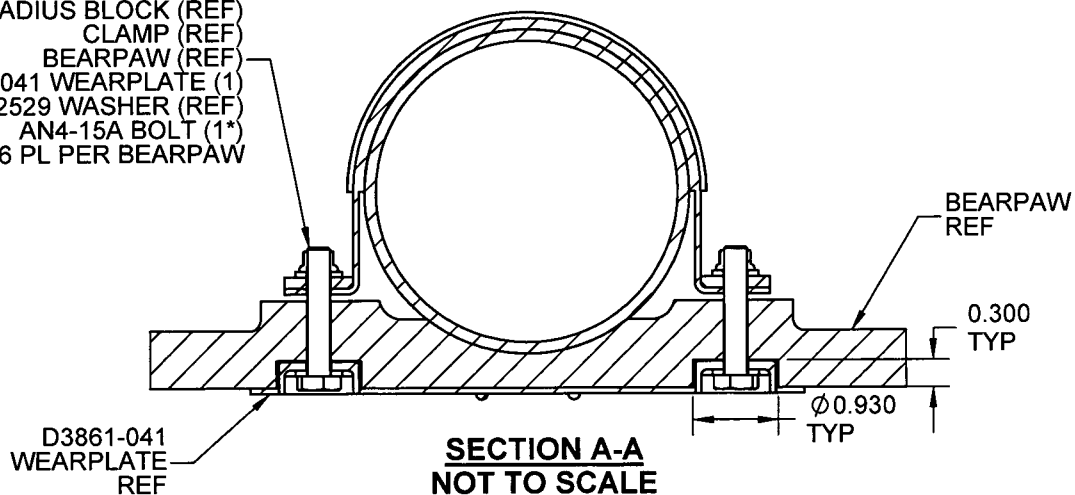
QTY. -021	PART NUMBER	DESCRIPTION
X	D119-647-021	Wearplate Kit
2	D3861-041	Wearplate
12	AN4-15A	Bolt
12	NAS1149D0463J	Washer
12	MS21042L4	Nut or (MS21042-4)

A	NEW ISSUE	<i>JS</i>	09.01.15
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>JS</i>	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	<i>JS</i>		
CHECKED	<i>JS</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9432	SHEET 1 OF 2
APPROVED	<i>JS</i>	TITLE	SCALE
DE APPR.	<i>JS</i>	WEARPLATE KIT	NTS
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**BOTTOM VIEW**

- MS21042L4 NUT (1)
- NAS1149D0463J WASHER (1\*)
- D2274 RADIUS BLOCK (REF)
- CLAMP (REF)
- BEARPAW (REF)
- D3861-041 WEARPLATE (1)
- D2529 WASHER (REF)
- AN4-15A BOLT (1\*)
- 6 PL PER BEARPAW



**SECTION A-A**  
**NOT TO SCALE**  
**ROTATED 90° CW**

\* ADDITIONAL NAS1149D0463J WASHERS MAY BE INSTALLED UNDER NUTS TO ENSURE 1.5 - 4 THREADS IN SAFETY ON BOLTS. ALTHOUGH NOT GENERALLY NECESSARY, IT IS ALSO ACCEPTABLE TO REPLACE THE AN4-15A BOLTS WITH LONGER OR SHORTER AN4 BOLTS, IF REQUIRED.

**FIGURE 1: D119-647-021 WEARPLATE KIT**

DESIGN	<i>[Signature]</i>	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	<i>[Signature]</i>	PORT HADLOCK, WA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9432	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	WEARPLATE KIT	NTS
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